

Title (en)

Copolyetherester elastomer with poly (1,3 -propylene terephthalate) hard segment.

Title (de)

Copolyetheresterelastomer mit einem harten Segment aus Poly(1,3-propylenterephthalat).

Title (fr)

Elastomère de copolyétherester à segment rigide en polytéraphtate de 1,3-propylène.

Publication

EP 0385428 A2 19900905 (EN)

Application

EP 90103879 A 19900228

Priority

US 31671989 A 19890228

Abstract (en)

A thermoplastic, segmented, linear copolyetherester elastomer of at least 70 weight percent soft segments, derived from poly(alkylene oxide) glycols and terephthalic acid, and hard segments constituting 10-30% of the elastomer and being 95 to 100% poly(1,3-propylene terephthalate). Melt-spun and drawn fibers of the elastomer have superior elastic and set properties versus comparable fibers made from such elastomers having hard segments of poly(ethylene terephthalate) or of poly(1,4-butylene terephthalate).

IPC 1-7

C08G 63/672; **D01F 6/86**

IPC 8 full level

C08G 63/66 (2006.01); **C08G 63/672** (2006.01); **D01F 6/86** (2006.01)

CPC (source: EP KR US)

C08G 63/00 (2013.01 - KR); **C08G 63/672** (2013.01 - EP US); **D01F 6/86** (2013.01 - EP US)

Cited by

US9840580B2; WO9221709A1; WO2015103533A1; WO9305094A1

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

US 4937314 A 19900626; CA 2010617 A1 19900831; DE 69027137 D1 19960704; DE 69027137 T2 19961212; EP 0385428 A2 19900905; EP 0385428 A3 19910605; EP 0385428 B1 19960529; JP 3051985 B2 20000612; JP H02248425 A 19901004; KR 910015616 A 19910930; MX 166252 B 19921224

DOCDB simple family (application)

US 31671989 A 19890228; CA 2010617 A 19900221; DE 69027137 T 19900228; EP 90103879 A 19900228; JP 4137190 A 19900223; KR 900002399 A 19900226; MX 1968490 A 19900227